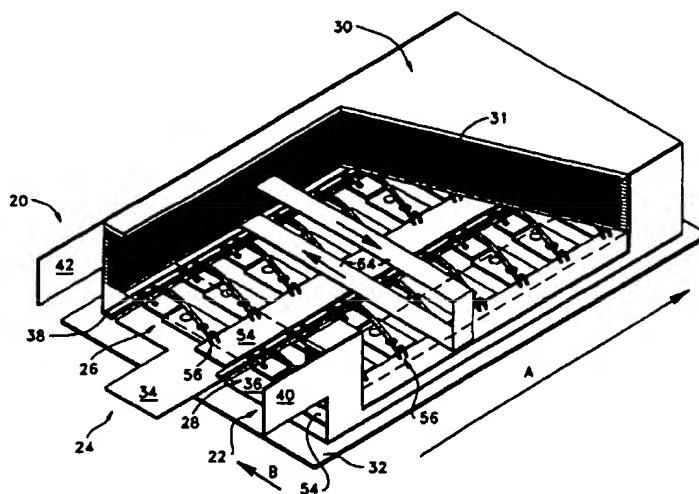




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(54) Title: LOW STRAY INTERCONNECTION INDUCTANCE POWER CONVERTING MODULE FOR CONVERTING A DC VOLTAGE INTO AN AC VOLTAGE, AND A METHOD THEREFOR



(57) Abstract

The low stray interconnection power converting module is for converting a DC voltage into an AC voltage. It comprises two DC voltage terminals for receiving the DC voltage, an AC voltage terminal for delivering the AC voltage, and a half-bridge including a pair of power switching elements connected as a series totem pole between the DC voltage terminals via the AC voltage terminal. It also comprises a decoupling device for decoupling the half-bridge. The decoupling device comprises a series of at least two adjacent superimposed electrode plates separated by a dielectric material and extending proximately in overlapping relation with the half-bridge. Each of the adjacent electrode plates is connected to a different one of the DC terminals. The electrode plates form with the two power switching elements, the DC terminals and the AC terminal, a reduced cross section belt-like current closed loop by which a low stray interconnection inductance power converting module is obtained.